

Dialog 10/694,520  
3/22/07 LLM

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[File 357] **Derwent Biotech Res.** 1982-2007/Mar W3

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[File 369] **New Scientist** 1994-2007/Nov W3

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[File 370] **Science** 1996-1999/Jul W3

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*\*File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 391] **Beilstein Reactions** 2007/Q1

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[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

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[File 467] **ExtraMED(tm)** 2000/Dec

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```
? s (transfection or (vitro (n2)((gene or DNA) (n2) delivery))) (n2)((((double adj
stranded) or double-stranded) (n4) (((DNA or oligonucleotide) n(n2) fragment) or (decoy
(w) ODN) or (denatured (w) DNA) or (decoy (w) oligonucleotide) or (decoy(w)
oligodeoxynucleotide))) or dsDNA)
>>>W: Invalid syntax
>>>E: There is no result
```

```
? s (transfection or (vitro (n2)((gene or DNA) (n2) delivery))) (n2)((((double (w)
stranded) or double-stranded) (n4) (((DNA or oligonucleotide) n(n2) fragment) or (decoy
(w) ODN) or (denatured (w) DNA) or (decoy (w) oligonucleotide) or (decoy(w)
oligodeoxynucleotide))) or dsDNA)
>>>W: Invalid syntax
>>>E: There is no result
```

```
? s (transfection or (vitro (2n)((gene or DNA) (2n) delivery))) (2n)((((double (w)
stranded) or double-stranded) (4n) (((DNA or oligonucleotide) (2n) fragment) or (decoy (w)
ODN) or (denatured (w) DNA) or (decoy (w) oligonucleotide) or (decoy(w)
oligodeoxynucleotide))) or dsDNA)
```

Processing  
Processing  
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Processing  
Processing

353760	TRANSFECTION
4607843	VITRO
6607818	GENE
5203659	DNA
1048624	DELIVERY
1264	VITRO (2N) (GENE OR DNA) (2N) DELIVERY
2012565	DOUBLE
623503	STRANDED

322513 DOUBLE (W) STRANDED  
 5087 DOUBLE-STRANDED  
 5203659 DNA  
 278800 OLIGONUCLEOTIDE  
 824204 FRAGMENT  
 113070 (DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT  
 12673 DECOY  
 17073 ODN  
 484 DECOY (W) ODN  
 66452 DENATURED  
 5203659 DNA  
 3973 DENATURED (W) DNA  
 12673 DECOY  
 278800 OLIGONUCLEOTIDE  
 538 DECOY (W) OLIGONUCLEOTIDE  
 12673 DECOY  
 26434 OLIGODEOXYNUCLEOTIDE  
 280 DECOY (W) OLIGODEOXYNUCLEOTIDE  
 1081 (DOUBLE (W) STRANDED OR DOUBLE-STRANDED) ...  
 198158 DSDNA  
 S1 11 S (TRANSFECTION OR (VITRO (2N) ((GENE OR DNA) (2N) DELIVERY)))  
 (2N) (((((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N)  
 FRAGMENT) OR (DECOY (W) ODN) OR (DENATURED (W) DNA) OR (DECOY (W) OLIGONUCLEOTIDE) OR  
 (DECOY (W) OLIGODEOXYNUCLEOTIDE))) OR DSDNA)

? rd

>>>W: Duplicate detection is not supported for File 391.  
 Records from unsupported files will be retained in the RD set.

S2 4 RD (UNIQUE ITEMS)

? t s2/medium/all

2/3/1 (Item 1 from file: 5) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)

Biosis Previews(R)

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18378097 Biosis No.: 200510072597

**Thyrcytes express a functional Toll-like receptor 3: Overexpression can be induced by viral infection and reversed by phenylmethimazole and is associated with Hashimoto's autoimmune thyroiditis**

**Author:** Harii Norikazu; Lewis Christopher J; Vasko Vasily; McCall Kelly; Benavides-Peralta Uruguaysito; Sun Xiaolu; Ringel Matthew D; Saji Motoyasu; Giuliani Cesidio; Napolitano Giorgio; Goetz Douglas J; Kohn Leonard D (Reprint)

**Author Address:** Ohio Univ, Edison Biotechnol Inst, Athens, OH 45701 USA\*\*USA

**Journal:** Molecular Endocrinology 19 ( 5 ): p 1231-1250 MAY 05 2005

**ISSN:** 0888-8809

**Document Type:** Article

**Record Type:** Abstract

**Language:** English

2/3/2 (Item 1 from file: 24) [Links](#)

Fulltext available through: USPTO Full Text Retrieval Options  
CSA Life Sciences Abstracts

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0002746002 IP Accession No: 6468006

**Transcription Factors as Molecular Targets: Molecular Mechanisms of Decoy ODN and their Design**

Tomita, Naruya; Ogihara, Toshio; Morishita, Ryuichi

Current Drug Targets , v 4 , n 8 , p 603-608 , 2003

**Publication Date:** 2003

**Document Type:** Journal Article; Review

**Record Type:** Abstract

**Language:** English

**Summary Language:** English

**ISSN:** 1389-4501

**File Segment:** Medical & Pharmaceutical Biotechnology Abstracts

2/3/3 (Item 1 from file: 34) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#)  
SciSearch(R) Cited Ref Sci

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12305602 **Genuine Article#:** 750WR **No. References:** 49

**Therapeutic potential of oligonucleotide-based therapy in cardiovascular disease**

**Author:** Morishita R (REPRINT) ; Kaneda Y; Ogihara T

**Corporate Source:** Osaka Univ, Grad Sch Med, Div Clin Gene Therapy, 2-2 Yamadaoka/Suita/Osaka 5650871/Japan/ (REPRINT); Osaka Univ, Grad Sch Med, Div Clin Gene Therapy, Suita/Osaka 5650871/Japan/; Osaka Univ, Grad Sch Med, Div Gene Therapy Sci, Suita/Osaka 5650871/Japan/; Osaka Univ, Grad Sch Med, Dept Geriatr Med, Suita/Osaka 5650871/Japan/

**Journal:** BIODRUGS , 2003 , V 17 , N 6 , P 383-389

**ISSN:** 1173-8804 **Publication date:** 20030000

**Publisher:** ADIS INTERNATIONAL LTD , 41 CENTORIAN DR, PRIVATE BAG 65901, MAIRANGI BAY, AUCKLAND 10, NEW ZEALAND

**Language:** English **Document Type:** EDITORIAL MATERIAL ( ABSTRACT AVAILABLE )

2/3/4 (Item 1 from file: 357) Links

Derwent Biotech Res.

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0299276 DBA Accession No.: 2003-01060 PATENT

**Identifying nucleic acid that modulates cell function, or gene expression/biological activity of polypeptide in cell, by double stranded RNA expression libraries/RNA, and post-transcriptional gene silencing techniques vector expression in human cell, ds RNA expression library use in disease therapy and gene therapy**

**Author:** GIORDANO T; PACHUK C; SATISHCHANDRAN C

**Patent Assignee:** NUCLEONICS INC; MESSAGE PHARM INC 2002

**Patent Number:** EP 1229134 **Patent Date:** 20020807 **WPI Accession No.:** 2002-610379 ( 200266 )

**Priority Application Number:** US 339260 **Application Date:** 20011026

**National Application Number:** EP 2002250681 **Application Date:** 20020131

**Language:** English

? s ((improve\$4 or increase or optimiz\$3 or enhance) (3n) (TRANSFECTION OR (VITRO (2N) ((GENE OR DNA) (2N) DELIVERY)))) (2N) (((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT) OR (DECOY (W) ODN) OR (DENATURED (W) DNA) OR (DECOY (W) OLIGONUCLEOTIDE) OR (DECOY(W) OLIGODEOXYNUCLEOTIDE))) OR DSDNA)

Processing

Processing

Processing

Processing

0	IMPROVE\$4
6054788	INCREASE
0	OPTIMIZ\$3
685083	ENHANCE
353760	TRANSFECTION
4607843	VITRO
6607818	GENE
5203659	DNA
1048624	DELIVERY
1264	VITRO(2N) (GENE OR DNA) (2N) DELIVERY
2012565	DOUBLE
623503	STRANDED
322513	DOUBLE (W) STRANDED
5087	DOUBLE-STRANDED
5203659	DNA
278800	OLIGONUCLEOTIDE
824204	FRAGMENT
113070	(DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT
12673	DECOY
17073	ODN
484	DECOY (W) ODN
66452	DENATURED
5203659	DNA
3973	DENATURED (W) DNA
12673	DECOY
278800	OLIGONUCLEOTIDE
538	DECOY (W) OLIGONUCLEOTIDE
12673	DECOY
26434	OLIGODEOXYNUCLEOTIDE
280	DECOY (W) OLIGODEOXYNUCLEOTIDE
1081	((DOUBLE (W) STRANDED OR DOUBLE-STRANDED) ...
198158	DSDNA

S3 0 S ((IMPROVE\$4 OR INCREASE OR OPTIMIZ\$3 OR ENHANCE) (3N) (TRANSFECTION OR (VITRO (2N) ((GENE OR DNA) (2N) DELIVERY)))) (2N) (((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT) OR (DECOY (W) ODN) OR (DENATURED (W) DNA) OR (DECOY (W) OLIGONUCLEOTIDE) OR (DECOY(W) OLIGODEOXYNUCLEOTIDE))) OR DSDNA)

?

? s ((improve\$4 or increase or optimiz\$3 or enhance) (3n) (TRANSFECTION OR (VITRO (2N) ((GENE OR DNA) (2N) DELIVERY)))) (2N) (((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT) OR (DENATURED (W) DNA) OR )) OR DSDNA)

>>>W: Character ")" in invalid position

>>>E: There is no result

? s ((improve\$4 or increase or optimiz\$3 or enhance) (3n) (TRANSFECTION OR (VITRO (2N) ((GENE OR DNA) (2N) DELIVERY)))) (2N) (((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT) OR (DENATURED (W) DNA) )) OR DSDNA)

Processing

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Processing

Processing

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      0 IMPROVE$4
6054788 INCREASE
      0 OPTIMIZE$3
      685083 ENHANCE
      353760 TRANSFECTION
4607843 VITRO
6607818 GENE
5203659 DNA
1048624 DELIVERY
      1264 VITRO(2N) (GENE OR DNA) (2N) DELIVERY
2012565 DOUBLE
623503 STRANDED
322513 DOUBLE (W) STRANDED
      5087 DOUBLE-STRANDED
5203659 DNA
278800 OLIGONUCLEOTIDE
824204 FRAGMENT
113070 (DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT
66452 DENATURED
5203659 DNA
      3973 DENATURED (W) DNA
      997 (DOUBLE (W) STRANDED OR DOUBLE-STRANDED) (4N) ((DNA OR
OLIGONUCLEOTIDE) (2N) FRAGMENT OR DENATURED (W) DNA)
      198158 DSDNA
S4      0 S ((IMPROVE$4 OR INCREASE OR OPTIMIZE$3 OR ENHANCE) (3N) (TRANSFECTION OR
(VITRO (2N) ((GENE OR DNA) (2N) DELIVERY)))) (2N) (((DOUBLE (W) STRANDED) OR
DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT) OR (DENATURED (W) DNA) ))
OR DSDNA)

? S ((IMPROVE$4 OR INCREASE OR OPTIMIZE$3 OR ENHANCE) (3N) (TRANSFECTION OR (VITRO
(2N) ((GENE OR DNA) (2N) DELIVERY)))) (s) (((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (4N)
(((DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT) OR (DENATURED (W) DNA) )) OR DSDNA)
Processing
Processing
Processing
Processing
      0 IMPROVE$4
6054788 INCREASE
      0 OPTIMIZE$3
      685083 ENHANCE
      353760 TRANSFECTION
4607843 VITRO
6607818 GENE
5203659 DNA
1048624 DELIVERY
      1264 VITRO(2N) (GENE OR DNA) (2N) DELIVERY
2012565 DOUBLE
623503 STRANDED
322513 DOUBLE (W) STRANDED
      5087 DOUBLE-STRANDED
5203659 DNA
278800 OLIGONUCLEOTIDE
824204 FRAGMENT
113070 (DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT
66452 DENATURED
5203659 DNA
      3973 DENATURED (W) DNA
      997 (DOUBLE (W) STRANDED OR DOUBLE-STRANDED) (4N) ((DNA OR
OLIGONUCLEOTIDE) (2N) FRAGMENT OR DENATURED (W) DNA)
      198158 DSDNA
S5      0 S ((IMPROVE$4 OR INCREASE OR OPTIMIZE$3 OR ENHANCE) (3N) (TRANSFECTION OR

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(VITRO (2N)((GENE OR DNA) (2N) DELIVERY)))) (S)((((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT) OR (DENATURED (W) DNA) )) OR DSDNA)

? S ((IMPROVE\$4 OR INCREASE OR OPTIMIZE\$3 OR ENHANCE) (3N)(TRANSFECTION OR (VITRO (2N)((GENE OR DNA) (2N) DELIVERY)))) (S)((((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT) OR (DENATURED (W) DNA) OR OLIGONUCLEOTIDE )) OR DSDNA )

Processing

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Processing

0	IMPROVE\$4
6054788	INCREASE
0	OPTIMIZE\$3
685083	ENHANCE
353760	TRANSFECTION
4607843	VITRO
6607818	GENE
5203659	DNA
1048624	DELIVERY
1264	VITRO(2N) (GENE OR DNA) (2N) DELIVERY
2012565	DOUBLE
623503	STRANDED
322513	DOUBLE(W) STRANDED
5087	DOUBLE-STRANDED
5203659	DNA
278800	OLIGONUCLEOTIDE
824204	FRAGMENT
113070	(DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT
66452	DENATURED
5203659	DNA
3973	DENATURED(W) DNA
278800	OLIGONUCLEOTIDE
3822	((DOUBLE(W) STRANDED OR DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT OR DENATURED(W) DNA) OR OLIGONUCLEOTIDE))
198158	DSDNA

S6 0 S ((IMPROVE\$4 OR INCREASE OR OPTIMIZE\$3 OR ENHANCE) (3N)(TRANSFECTION OR (VITRO (2N)((GENE OR DNA) (2N) DELIVERY)))) (S)((((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT) OR (DENATURED (W) DNA) OR OLIGONUCLEOTIDE )) OR DSDNA )

? S ((TRANSFECTION OR (VITRO (2N)((GENE OR DNA) (2N) DELIVERY)))) (S)((((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT) OR (DENATURED (W) DNA) OR OLIGONUCLEOTIDE )) OR DSDNA )

Processing

Processing

Processing

353760	TRANSFECTION
4607843	VITRO
6607818	GENE
5203659	DNA
1048624	DELIVERY
1264	VITRO(2N) (GENE OR DNA) (2N) DELIVERY
2012565	DOUBLE
623503	STRANDED
322513	DOUBLE(W) STRANDED
5087	DOUBLE-STRANDED
5203659	DNA
278800	OLIGONUCLEOTIDE
824204	FRAGMENT



113070 (DNA OR OLIGONUCLEOTIDE) (2N) FRAGMENT  
 66452 DENATURED  
 5203659 DNA  
 3973 DENATURED(W) DNA  
 278800 OLIGONUCLEOTIDE  
 3822 (DOUBLE(W) STRANDED OR DOUBLE-STRANDED) (4N) (((DNA OR  
 OLIGONUCLEOTIDE) (2N) FRAGMENT OR DENATURED(W) DNA) OR OLIGONUCLEOTIDE)  
 198158 DSDNA  
 S7 318 S ((TRANSFECTION OR (VITRO (2N) ((GENE OR DNA) (2N) DELIVERY))))  
 (S) (((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (4N) (((DNA OR OLIGONUCLEOTIDE) (2N)  
 FRAGMENT) OR (DENATURED (W) DNA) OR OLIGONUCLEOTIDE )) OR DSDNA )  
 ? S s7 and ((IMPROVE\$4 OR INCREASE OR OPTIMIZ\$3 OR ENHANCE) (3N) (TRANSFECTION OR (VITRO  
 (2N) ((GENE OR DNA) (2N) DELIVERY))))  
 Processing  
 Processing  
 318 S7  
 0 IMPROVE\$4  
 6054788 INCREASE  
 0 OPTIMIZ\$3  
 685083 ENHANCE  
 353760 TRANSFECTION  
 4607843 VITRO  
 6607818 GENE  
 5203659 DNA  
 1048624 DELIVERY  
 1264 VITRO(2N) (GENE OR DNA) (2N) DELIVERY  
 2262 (((IMPROVE\$4 OR INCREASE) OR OPTIMIZ\$3) OR ENHANCE) (3N) (TRANSFECTION OR  
 VITRO(2N) (GENE OR DNA) (2N) DELIVERY)  
 S8 6 S S7 AND ((IMPROVE\$4 OR INCREASE OR OPTIMIZ\$3 OR ENHANCE)  
 (3N) (TRANSFECTION OR (VITRO (2N) ((GENE OR DNA) (2N) DELIVERY))))  
 ? s s8 not pd>021030  
 Processing  
 Processing  
 >>>W: One or more prefixes are unsupported  
 or undefined in one or more files.  
 6 S8  
 13331547 PD>021030  
 S9 3 S S8 NOT PD>021030  
 ? rd  
 >>>W: Duplicate detection is not supported for File 391.  
 Records from unsupported files will be retained in the RD set.  
 S10 2 RD (UNIQUE ITEMS)

? t s10/medium/all

10/3/1 (Item 1 from file: 5) [Links](#)

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Biosis Previews(R)

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18792094 Biosis No.: 200600137489

**Linear double-stranded DNA that mimics an infective tail of virus genome to enhance transfection**

**Author:** Anada Takahisa (Reprint); Karinaga Ryouji; Koumoto Kazuya; Mizu Masami; Nagasaki Takeshi; Kato Yoshio; Taira Kazunari; Shinkai Seiji; Sakurai Kazuo

**Author Address:** Tohoku Univ, Grad Sch Dent, Div Craniofacial Funct Engn, Aoba Ku, 4-1, Seiryomachi, Sendai,

Miyagi 9808575, Japan\*\*Japan

**Author E-mail Address:** anada@mail.tains.tohoku.ac.jp; sakurai@env.kitakyu-u.ac.jp

**Journal:** Journal of Controlled Release 108 ( 2-3 ): p 529-539 NOV 28 2005 2005

**ISSN:** 0168-3659

**Document Type:** Article

**Record Type:** Abstract

**Language:** English

3/22/2007

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	55644	(transfection or ((gene or DNA) near2 delivery)) and (((DNA or oligonucleotide) near2 fragment) or (decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide) or oligonucleotide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:26
L2	39443	(transfection or ((gene or DNA) near2 delivery)) and (((DNA or oligonucleotide) near2 fragment) or (decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:26
L3	37726	(transfection or (vitro near2((gene or DNA) near2 delivery))) and (((DNA or oligonucleotide) near2 fragment) or (decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:26
L4	2836	(transfection or (vitro near2((gene or DNA) near2 delivery))) same (((DNA or oligonucleotide) near2 fragment) or (decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:49
L5	44	(transfection or (vitro near2((gene or DNA) near2 delivery))) same ((decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:38
L6	21	L5 and @ad<="20021030"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:41
L7	1	((improve\$4 or increase) with (transfection or (vitro near2((gene or DNA) near2 delivery)))) same ((decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:40
L8	0	((improve\$4 or increase) near5(transfection or (vitro near2((gene or DNA) near2 delivery)))) same ((decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:41

## EAST Search History

L9	10	((improve\$4 or increase) near5(transfection or (vitro near2((gene or DNA) near2 delivery)))) and ((decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:41
L10	6	L9 and @ad<="20021030"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:52
L11	10	(transfection or (vitro near2((gene or DNA) near2 delivery))) same (((double adj stranded) or double-stranded) near5 (((DNA or oligonucleotide) near2 fragment) or (decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:44
L12	89	(transfection or (vitro near2((gene or DNA) near2 delivery))) same (((double adj stranded) or double-stranded) near4 (((DNA or oligonucleotide) near2 fragment) or (decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide))) or dsDNA)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:12
L13	4	((improve\$4 or increase or optimiz\$3) near3 (transfection or (vitro near2((gene or DNA) near2 delivery)))) same (((double adj stranded) or double-stranded) near4 (((DNA or oligonucleotide) near2 fragment) or (decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide))) or dsDNA)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:10
L14	1	L13 and @ad<="20021030"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:52
L15	48	L12 and @ad<="20021030"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 13:52

## EAST Search History

L16	4	((improve\$4 or increase or optimiz\$3 or enhance) near3 (transfection or (vitro near2((gene or DNA) near2 delivery)))) same (((double adj stranded) or double-stranded) near4 (((DNA or oligonucleotide) near2 fragment) or (decoy adj ODN) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide))) or dsDNA)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:11
L17	4	((improve\$4 or increase or optimiz\$3 or enhance) near3 (transfection or (vitro near2((gene or DNA) near2 delivery)))) same (((double adj stranded) or double-stranded) near4 (((DNA or oligonucleotide) near2 fragment) or (decoy adj ODN) or (decoy adj oligonucleotide) or (denatured adj DNA) or (decoy adj oligodeoxynucleotide))) or dsDNA)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:12
L18	89	(transfection or (vitro near2((gene or DNA) near2 delivery)))) same (((double adj stranded) or double-stranded) near4 (((DNA or oligonucleotide) near2 fragment) or (decoy adj ODN) or (denatured adj DNA) or (decoy adj oligonucleotide) or (decoy adj oligodeoxynucleotide))) or dsDNA)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/22 14:12